



CEQA SUPPORTING DOCUMENTS



MAY 07 2013

Crimson Renewable Energy
Attn: Harry Simpson
950 17th Street, #2650
Denver, CO 80202-2801

Re: Your 2/12/13 letter concerning Crimson Renewable Energy Bakersfield Biodiesel & Glycerin Production Plant (facility S-6971)

Dear Mr. Simpson:

The San Joaquin Valley Air Pollution Control District (District) received your 2/12/13 letter for the facility noted above located at 17731 Millux Road in Kern County, CA, requesting for a statement of concurrence that the Crimson Renewable Energy Bakersfield Biodiesel & Glycerin Production Plant (Crimson Plant) has been reviewed under the California Environmental Quality Act (CEQA) and that the proposed minor changes to the project are consistent with the District's previous CEQA review.

In 2007 the District determined that no other agency had broader discretionary approval power over installation of the proposed Crimson Plant (project) and that the District was the first agency to act on the project, therefore establishing the District as the Lead Agency for the project.

An Initial Study was prepared, which demonstrated that through a combination of project design elements, compliance with District rules, permit conditions, and mitigation measures, the project would have a less than significant effect on the environment.

The District prepared and certified a Mitigated Negative Declaration for the Crimson Plant concluding that, with mitigation, the project's potential environmental impacts would be less than significant. The District filed a Notice of Determination with the Kern County clerk on August 2, 2007.

The District provided an initial response in a letter dated 3/16/13 and is providing the following determination:

The proposed changes to the project are not substantial changes, do not cause significant effects not previously examined under the Mitigated Negative Declaration, nor require a

Seyed Sadredin
Executive Director/Air Pollution Control Officer

Northern Region
4800 Enterprise Way
Modesto, CA 95356-8718
Tel: (209) 557-6400 FAX: (209) 557-6475

Central Region (Main Office)
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244
Tel: (559) 230-6000 FAX: (559) 230-6061

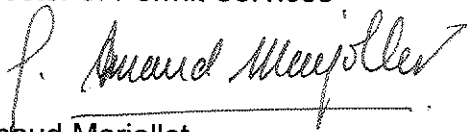
Southern Region
34946 Flyover Court
Bakersfield, CA 93308-9725
Tel: 661-392-5500 FAX: 661-392-5585

change to the mitigation measures previously adopted. The proposed modifications do not change the determination made in the original Mitigated Negative Declaration that after mitigations there will be a less than significant impact on the environment. As such, no additional CEQA review will be required

If you have any questions, please contact Ms. Patia Siong at (559) 230-6000 or Mr. Leonard Scandura at (661) 392-5500.

Sincerely,

David Warner
Director of Permit Services



Arnaud Marjollet
Permit Services Manager

DW:ps

Cc: Leonard Scandura, Permit Services



San Joaquin Valley
Air Pollution Control District

Fax Transmittal

1990 E. Gettysburg Avenue
Fresno, California 93726-0244
Phone (559) 230-6000
Fax (559) 230-6061

Date :

8/2/07

To :

Doug Shaffer

Fax Number :

9-1-661-282-2204

From :

Georgia

Number of pages (includes cover sheet):

4

Description :

Crimson Biodiesel

☐

Per Your Request

☐

For Your Information

☐

Per Our Conversation

☐

For Your Approval

☐

Take Appropriate Action

☐

Review & Comment

☐

Please Answer

☐

Review & Return

☒

Original transmittal will follow via mail

Remarks / Response :



San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT

San Joaquin Valley Unified Air Pollution Control District
California Environmental Quality Act (CEQA) Approval
Crimson Renewable Energy Biodiesel Manufacturing Facility
Authority to Construct Application No.: S-6971-1-0 and -2-0

CEQA requires public agencies to evaluate and disclose the potential environmental impacts of discretionary actions that they undertake, including the issuance of air pollution permits.

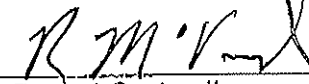
The San Joaquin Valley Unified Air Pollution Control District (District) received the subject Authority to Construct Applications (ATC), for Crimson Renewable Energy, to construct a biodiesel production facility. The proposed facility will produce up to 30 million gallons of biodiesel per year. Pre-project consultation with other agencies determined that issuance of District ATCs was the only discretionary permitting action. In accordance with Sections 15070 to 15075 of the California Environmental Quality Act Guidelines, the District prepared an Initial Study and Proposed Mitigated Negative Declaration for the project. These documents were available for public comment from June 8, 2007 to July 5, 2007. No comment letters were received during the comment period. The District's evaluation of the project concludes that with mitigation, the project's potential environmental impacts will be less than significant.

Per the District's Environmental Review Guidelines (adopted August 2000), the Air Pollution Control Officer (APCO), Deputy APCO, or Acting APCO is the decision-making body for approvals of District ATCs. The APCO of the District has duly considered said Initial Study and Proposed Mitigated Negative Declaration. Accordingly, the APCO (a) certifies that the Initial Study and Proposed Mitigated Negative Declaration reflect the independent judgment of the District; (b) finds that with mitigation, the environmental impact of the above-described project will be less than significant; and (c) approves and adopts a Proposed Mitigated Negative Declaration for said ATCs.

In accordance with the provisions of Sections 15075 of the California Environmental Quality Act Guidelines, District staff is hereby directed to cause to be filed a Notice of Determination with the Kern County Clerk and the State Clearinghouse (if required).

SAN JOAQUIN VALLEY UNIFIED
AIR POLLUTION CONTROL DISTRICT

By

 Deputy APCO
Seyed Sadredin
Executive Director/APCO

August 2, 2007
Date



San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT

August 2, 2007

Harry Simpson
Crimson Renewable Energy
410 Seventeenth Street, Suite 1010
Denver, CO 80202

RE: Notice of Determination - Mitigated Negative Declaration For Crimson Renewable Energy Biodiesel Manufacturing Facility, ATC # S-6971-1-0 and 2-0; and District Project No. S1064848

Dear Mr. Simpson:

In accordance with Sections 15070 to 15075 of the California Environmental Quality Act (CEQA) Guidelines, the San Joaquin Valley Unified Air Pollution Control District (District) prepared an Initial Study and Proposed Mitigated Negative Declaration for the subject project. These documents were available for public comment from June 8, 2007 to July 5, 2007. No comment letters were received during the comment period.

The District's evaluation of the project concludes that with mitigation, the project's potential environmental impacts will be less than significant. In accordance with CEQA Guidelines, the District has filed a Notice of Determination with the Kern County Clerk's office.

Enclosed are copies of the final Mitigated Negative Declaration and the Notice of Determination. Should you have any questions, please contact Georgia Stewart of Permit Services at (559) 230-5937.

Sincerely,

David Warner
Director of Permits Services


Arnaud Marjollet
Permit Services Manager

DW: gs

Enclosures: Final Mitigated Negative Declaration, & Notice of Determination

Sayed Sadredin
Executive Director/Air Pollution Control Officer

Northern Region
4800 Enterprise Way
Modesto, CA 95358-8718
Tel: (209) 557-6400 FAX: (209) 557-6475

Central Region (Main Office)
1990 E. Gettysburg Avenue
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Tel: (559) 230-8000 FAX: (559) 230-6061
www.valleyair.org

Southern Region
2700 M Street, Suite 275
Bakersfield, CA 93301-2373
Tel: (661) 326-6900 FAX: (661) 326-6985



San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT

Notice of Determination

To: ☒ County Clerk

County: Kern
Address: 1115 Truxton Ave
Bakersfield, CA

From: Public Agency: San Joaquin Valley Unified Air
Pollution Control District
Address: 1990 E. Gettysburg Ave.
Fresno, CA 93726
Contact: Georgia Stewart, AQS
Phone: (559) 230-5937

Lead Agency: San Joaquin Valley Unified Air Pollution Control District
Address: 1990 East Gettysburg Avenue
Fresno, CA 93726-0244
Contact: Georgia Stewart, AQS
Phone: (559) 230-5937

SUBJECT: Filing of Notice of Determination in compliance with Section 21108 or 21152 of the Public Resources Code.

State Clearinghouse Number: (if submitted to State Clearinghouse): NA

Project Title: Crimson Renewable Energy Biodiesel Manufacturing Facility, Authority to Construct Application No. S-6971-1-0 and -2-0; District Project No. S 1064848

Project Location: 17731 Millux Road, Bakersfield, CA 93311

Description of Project: Crimson Renewable Energy LP (CRE), a division of Crimson Resource Management, is proposing the construction of a 30,000,000-gallon per year biodiesel production operation. The proposed facility will be located within the fence line of the Delta Trading, LP facility, which is located within an M3 Industrial zone. The facility is surrounded on all sides by agriculture. The facility is not located within 1000 feet of a K-12 school. The facility will receive palm olein (the premium fractionation of refined palm oil) and methanol via tanker truck and rail car. The facility may also process soybean oil, and canola oil, tallow (yellow grease) from rendering plants, and used deep fryer oil from area restaurants. Methanol unloading racks, tanks storing methanol, and process equipment will be a source of VOC emissions. Methanol vapors will be vented to an existing vapor control system owned and operated by Delta Trading ICO Crimson Resource Management.

This is to advise that the San Joaquin Valley Unified Air Pollution Control District, acting as a Lead Agency, has approved the above described project on August 1, 2007 and has made the following determinations regarding the above described project:

1. The project ☐ will ☒ will not have a significant effect on the environment.
2. ☒ A Mitigated Negative Declaration was prepared for this project pursuant to the provisions of CEQA.
3. Mitigation measures ☒ were ☐ were not made a condition of the approval of the project.
4. A mitigation reporting or monitoring plan ☒ was ☐ was not adopted for this project.
5. A statement of Overriding Considerations ☐ was ☒ was not adopted for this project.
6. Findings ☐ were ☒ were not made pursuant to the provisions of CEQA.

This is to certify that the final Mitigated Negative Declaration, is available to the General Public at: San Joaquin Valley Unified Air Pollution Control Agency - Central Region Office, 1990 E. Gettysburg Street, Fresno, CA

Signature:

Title: Manager Permit Services

Date: August 2, 2007

Seyed Sadredin

Executive Director/Air Pollution Control Officer

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Southern Region
2700 M Street, Suite 275
Bakersfield, CA 93301-2373
Tel: (805) 326-8900 FAX: (805) 326-6985

Crimson Renewable Energy
Biodiesel Manufacturing Facility
17731 Millux Rd
Bakersfield, CA 93311
APCD Project Number S1064848

Initial Study
Of Potential Environmental Impacts
From Construction and Operation for CEQA Review
May 18, 2007

Prepared by:
Debra Monterroso
EH&S Manager
Crimson Resource Management
5001 California Ave, Suite 206
Bakersfield, CA 93309

Harry Simpson
President
Crimson Renewable Energy
410 17th St, Suite 1010
Denver, CO 80202

Environmental Checklist

1. Project Title:

Crimson Renewable Energy, Biodiesel Manufacturing Facility, Bakersfield

2. Lead Agency:

San Joaquin Valley Air Pollution Control District
Permit Services Department
CEQA Section
1990 East Gettysburg Avenue
Fresno, CA 93726-0244

3. Agency Primary Contact:

Georgia Stewart (?)
(559) 230-????

4. Project Location:

17731 Millux Road
Bakersfield, CA 93311

5. Project Sponsor:

Crimson Renewable Energy
410 Seventeenth Street, Suite 1010
Denver, CO 80202

6. General Plan Designation

The project is located within General Plan Designation 7.3 Heavy Industrial.

7. Zoning

The zoning for the project location is M-3 PD.

8. Project Description

Crimson Renewable Energy, LP a division of Crimson Resource Management, is proposing the construction of a 30,000,000 gallon per year biodiesel production operation at an existing petroleum blending and transloading facility also operated by a Crimson Resource Management company, Delta Trading, LP. Delta Trading holds permits S-1385 and S-1388 for the operations in Southwest Bakersfield.

Crimson Renewable Energy is proposing a facility that will manufacture biodiesel fuel by organic chemical processes and will refine and sell the glycerol byproduct of the fuel manufacture. The facility will receive palm olein (the premium fractionation of refined palm oil) and methanol via tanker truck and rail car. The facility may alternatively utilize soybean and canola oils. The facility may also receive tallow (yellow grease) from a local rendering plant and used deep fryer oil from area restaurants.

Site preparation for the construction of the new footings and foundations for the associated equipment is expected to take approximately one month and utilize the construction equipment listed in Appendix A – URBEMIS Model. The preparation will include rough grading, some soil export off site, and some engineered fill import.

Construction of the process areas of the plant will consist only of assembly, no fabrication. The plant has been pre-fabricated on skids out of state. When the foundations are completed, the process sections will be set into place and associated piping bolted or welded together. Delivery of all pieces of the plant will utilize approximately 50 truck deliveries.

Currently, Delta Trading is permitted for up to 50 railcars per day facility product throughput and does not utilize that full capacity. There is not expected to be any increase in locomotive traffic, since the railroad schedule is fixed, and additional cars up to the 50-car limit do not require additional locomotives. The facility utilizes a power tug, a diesel fueled railcar mover, to position the rail cars within the facility. The tugger is currently in use approximately seven hours each day. Additional rail car utilization due to this project is likely to increase the tugger use by not more than 20 minutes per day.

Although the amount of truck traffic on site will always fluctuate depending upon the present and future contract commitments, currently Delta Trading is averaging 25 trucks per day utilizing the products racks. The additional truck use due to this project is not expected to exceed 12 trucks per day.

9. Surrounding land uses and setting: Briefly describe the project's surroundings:

The proposed facility will be located within the fence line of the Delta Trading, LP facility, which is located within an M3 Industrial zone. The facility is surrounded on all sides by agriculture. The facility is not located within 1000 feet of a K-12 school. An attached map identifies the current operational facility (Delta Trading), the proposed new equipment location, and the surrounding land uses.

10. Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement.)

The San Joaquin Valley Air Pollution Control District is the only permit-issuing government entity with discretionary authority over this project.

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

- | | | |
|--|---|---|
| <input type="checkbox"/> Aesthetics | <input type="checkbox"/> Agriculture Resources | <input type="checkbox"/> Air Quality |
| <input type="checkbox"/> Biological Resources | <input type="checkbox"/> Cultural Resources | <input type="checkbox"/> Geology /Soils |
| <input type="checkbox"/> Hazards & Hazardous Materials | <input type="checkbox"/> Hydrology / Water Quality | <input type="checkbox"/> Land Use / Planning |
| <input type="checkbox"/> Mineral Resources | <input type="checkbox"/> Noise | <input type="checkbox"/> Population / Housing |
| <input type="checkbox"/> Public Services | <input type="checkbox"/> Recreation | <input type="checkbox"/> Transportation/Traffic |
| <input type="checkbox"/> Utilities / Service Systems | <input type="checkbox"/> Mandatory Findings of Significance | |

DETERMINATION:

On the basis of this initial evaluation:

- ☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- ☒ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- ☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- ☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- ☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature

Date

Signature

Date

EVALUATION OF ENVIRONMENTAL IMPACTS:

- 1) A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
- 2) All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
- 3) Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.
- 4) "Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from Section XVII, "Earlier Analyses," may be cross-referenced).
- 5) Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:
 - a) Earlier Analysis Used. Identify and state where they are available for review.
 - b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
 - c) Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
- 6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
- 7) Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.

- 8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
- 9) The explanation of each issue should identify:
 - a) the significance criteria or threshold, if any, used to evaluate each question; and
 - b) the mitigation measure identified, if any, to reduce the impact to less than significance

Issues:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
I. AESTHETICS -- Would the project:				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion: The project is not located in or near a national park or state scenic highway. The site presently contains concrete footings, foundations, tanks, pipes and cooling towers. Although proposed construction will add to the general industrial appearance of the site, this is in concert with the existing site usage. There is no additional lighting proposed for the project.

II. AGRICULTURE RESOURCES:

Would the project:

a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with existing zoning for agricultural use, or a Williamson Act	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

contract?

c) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?

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Discussion: In determining whether impacts to agricultural resources are significant environmental effects, the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation was used in assessing impacts on agriculture and farmland. This model primarily addresses impacts based upon land conversion. Because all use in question has been zoned, developed and utilized as Industrial for greater than 25 years, there is no impact on Agricultural land use.

III. AIR QUALITY –

Would the project:

a) Conflict with or obstruct implementation of the applicable air quality plan?

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b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?

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c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?

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d) Expose sensitive receptors to substantial pollutant concentrations?

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e) Create objectionable odors affecting a substantial number of people?

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Discussion: Through District permitting process, impacts to air quality attainment plan and cumulatively considerable increases in criteria pollutants are mitigated to a less than significant level. The project location is not located near any sensitive receptors, thus exposure to substantial pollutant concentrations is unlikely. Tanks and processes are closed and under vapor control, which also serves as odor control. Attachment B shows

URBEMIS model which indicates area pollutant and construction related emissions are also less than significant.

IV. BIOLOGICAL RESOURCES --

Would the project:

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Discussion: Biological survey of the site in November 2006, immediately prior to application for permits, concluded that the site was not a den location for San Joaquin Kit Fox, and did not find evidence of any protected species. Site is not located in a riparian habitat or marsh land, nor is site subject to Habitat Conservation Plan.

V. CULTURAL RESOURCES -- Would the project:

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Cause a substantial adverse change in the significance of a historical resource as defined in '15064.5? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to '15064.5? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Disturb any human remains, including those interred outside of formal cemeteries? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Discussion: Site contains no structures built prior to 1950, and none of historical significance. Site is not located within a tribal area or burial ground. Site has no evidence of archeological or paleontological significance. There is no potential to impact cultural resources.

VI. GEOLOGY AND SOILS –
Would the project:

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving: | | | | |
| i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iv) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion: Site is not located on geographic fault, nor does project involve subterranean drilling or exploration. Site is not located on a grade and soil stability meets building code requirements, thus landslide or collapse is not likely. Crimson Renewable Energy hired a civil engineering firm to provide appropriate guidance and has received necessary building permits from appropriate county and city departments. Site has had an existing septic system in place for greater than 25 years. There are no geological or soil impacts expected from this project.

VII. HAZARDS AND HAZARDOUS MATERIALS –

Would the project:

- | | | | | |
|---|--------------------------|--------------------------|-------------------------------------|--------------------------|
| a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) Create a significant hazard to the | | | | |

public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

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c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

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d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

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e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?

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f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?

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g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

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h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?

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Discussion: Project will utilize the handling and transport of flammable materials. Handling will be in compliance with Federal DOT and Federal Railroad Association rules and regulations. The regulatory control over the transport process mitigates potential impact to less than significant levels. Foreseeable upset conditions resulting in possible

public exposure are mitigated through the administration of CFR 1910.119 Process Safety Management of Highly Hazardous Chemicals. The site is already subject to PSM controls and the addition of this process will be governed by those regulations as well, mitigating the impact to less than significant. The site has existing Emergency Response Plan, which includes the area to be modified. Regardless, plans will be updated to incorporate additional processes and to comply with regulation governing those plans, thus impact is less than significant. Site is not a superfund site, is not located within ¼ mile of a school, is neither within an airport nor near an airstrip, nor located within a wildland fire zone.

VIII. HYDROLOGY AND WATER QUALITY -- Would the project:

- | | | | | |
|---|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) Violate any water quality standards or waste discharge requirements? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

sources of polluted runoff?

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| f) Otherwise substantially degrade water quality? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| j) Inundation by seiche, tsunami, or mudflow? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Discussion: Facility has current Spill Prevention and Countermeasure Control Plan in place. In accordance with that plan, the entire facility is diked and bermed such that in the event of heavy rains or spills, there will be no run-off exiting the site. Site has its own water supply, but additional processes are water-free. Addition of employees to site will not have significant impact on water resources. Site is not within a flood plane nor located near coastal or mountain areas.

IX. LAND USE AND PLANNING -
Would the project:

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Physically divide an established community? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Conflict with any applicable habitat | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

conservation plan or natural community
conservation plan?

Discussion: Proposed land use is allowed under current planning and zoning designations.

X. MINERAL RESOURCES –

Would the project:

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Discussion: Project does not involve known mineral formations.

XI. NOISE –

Would the project result in:

- | | | | | |
|---|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

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f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?

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Discussion: Project is within existing loading operation. Existing operation utilizes electric pumps, diesel engines, and heavy machinery on round-the-clock shifts. Proposed additions would add 2 to 5 more electric pumps as primary source of noise. Additional pumps are less than 10% of facility total. Additionally, the proposed plant will be sited in the center of the existing facility. Expected noise impact due to project is less than significant.

XII. POPULATION AND HOUSING -- Would the project:

a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

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b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?

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c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?

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Discussion: Project does not involve residences or improving infrastructure. Project is not located near existing housing of any sort and will not displace any residents.

XIII. PUBLIC SERVICES

a) Would the project result in substantial

adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:

Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion: Only service potentially affected is fire protection. Facility has existing fire protection system and will add additional controls to comply with fire code. Fire department already serves existing facility. Additional staff will not be required for added process. Impact is less than significant.

XIV. RECREATION --

a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion: Facility is not located near, and does not involve recreational facilities. No impact.

XV. TRANSPORTATION/TRAFFIC --

Would the project:

- | | | | | |
|--|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e) Result in inadequate emergency access? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| f) Result in inadequate parking capacity? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| g) Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Discussion: Facility ingress and egress is from Millux road. Millux road is a paved rural road that experiences regular truck traffic and light traffic volumes. Addition of 25 trucks per day to the road is not expected to have a significant impact.

XVI. UTILITIES AND SERVICE SYSTEMS—

Would the project:

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Exceed wastewater treatment requirements of the applicable Regional | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

Water Quality Control Board?

- | | | | | |
|---|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| e) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project=s projected demand in addition to the provider=s existing commitments? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| f) Be served by a landfill with sufficient permitted capacity to accommodate the project=s solid waste disposal needs? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| g) Comply with federal, state, and local statutes and regulations related to solid waste? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Discussion: Proposed process does not utilize process water, therefore no permits or expansions of water services are required. Existing drainage at the facility is sufficient to handle additional process area. Existing water sources are sufficient to supply facility ancillary needs and facility is not served by wastewater treatment provider, but is on own private septic system. There will be a small amount of solid waste generated by the process, but it is not expected to be of significant volume. Solid waste will be tested to indicate compliance with all state and federal waste regulations.

XVII. MANDATORY FINDINGS OF SIGNIFICANCE --

- | | | | |
|---|--------------------------|--------------------------|--------------------------|
| a) Does the project have the potential to | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|---|--------------------------|--------------------------|--------------------------|

degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?				<input checked="" type="checkbox"/>
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>